

User's Guide

CTK-CKAL Check-All Universal Cable Tester

Overview:

Addlogix's CTK-CKAL Check-All Universal Cable Tester is equipped with two microprocessors that allow the tester to check up to 5 twisted pairs (10 pins) of shielded or unshielded patch cables. The Check-All also comes with built-in tone generator to allow users to quickly trace wiring using tone probes. The secondary "twin" unit is designed to provide the same function as the main unit as it offers the same LED display to provide the same result as the main unit, and it also has its own pair of TX / RX ports to conduct testing on its own.



Features:

- Test RJ45 (8P8C) as well as RJ48 (10P10C) cables
- Provides pin-by-pin configuration of 1-10 pin cables
- Traces cable / network port with its built-in tone generator
- Checks datacomm / network, voice / telecomm, cross over and shielded cables for shorts, opens, crossed pairs, and mis-wiring
- Provide test results on both the main test unit and the secondary test unit
- Auto off with low battery indicator prevents misreads
- Great for home office and commercial network installations and maintenance

Operations:

1. **Testing a Cable:** Since test results are available on both the main and the secondary test units, plug one end of the cable into the main test unit's TX socket and the other end into the secondary test unit's RX socket. Simply push the "On/Mode" button to display the test results.
2. **Available Test Modes:** Set the tester at different testing modes by using the "On/Mode" buttons.
 - a. TX → RX test mode: Press On/Mode once to allow test signals to be sent from the TX port through the cable into the RX port

LEDs will illuminate in sequence one at a time on both the main unit and

secondary unit. Corresponding LED number tells how the cable is connected. Open can be detected when a beeping tone is heard. This can also be seen when 1) the TX LED is illuminated without a corresponding RX LED, and 2) momentary flash of the B/L light.

- b. Pair Test Mode: Press On/Mode twice

On the tester's RX LED column, the lit LED indicates the cable type (cable type description is to the left of the lit LED). Next, look for the corresponding cable type to the left of the TX LED column. Then use the TEST button to check each pair listed in the appropriate column of the chart. Solid red LED light indicates pair is GOOD. Tone sounding and blinking red LED light indicates pair is BAD. Furthermore, the "SHORT", "CROSS", "MISW", "REV", or "OPEN" LED will flash to identify the pair's specific problem.

- c. RX → TX test mode: Press On/Mode three times to allow test signals are sent from the RX port through the cable into the TX port

LED will illuminate in sequence one at a time on both the main unit and secondary unit. Corresponding LED number tells how the cable is connected. Open can be detected when a beeping tone is heard. This can also be seen when 1) the RX LED is illuminated without a corresponding TX LED, and 2) momentary flash of the B/L light.

- d. Tone Generator Mode: Press On/Mode four times to send a tone through the cable Use the "TEST" button to send the tone via i) one of the wires, ii) the shield/ground, or iii) all wires and the shield. The tone can be detected by Addlogix Tone Probe (CTK-PROBE) or other standard tone probe.

The tester's auto shut off function will not function in this mode. Please make sure the tester is turned off when it's not in use.

- 3. Testing Coaxial Cables:** To test coaxial cables, connect the optional RJ45-Coaxial adapters to the testers then plug the coaxial cables into the adapters. Test results are shown on the tester's LED display on pin #1 (cable's center conductor) and pin #2 (cable's ground).

Specifications:

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| Power | Requires two 9V Alkaline battery |
| Size | 4.57" x 2.67" x 1.13" / 116mm x 68mm x 28mm |
| Weight | 315g with battery Shipping weight – 380g without battery |
| Operating Temp. | 0° - 45°C (32° - 113°F) |
| Material | ABS |
| Built-in interface | RJ45 Jack – accepts both RJ45 & RJ11 plugs and RJ48 jack |
| Display | 3LED, 10 segments Bar-Graph and beeper sounds |
| Tone Frequency | 600 HZ |
| Types of Tests | 1) TX → RX, 2) Pair test, 3) RX → TX t, 4) tone generator |
| Supported Cable Types | UTP, STP 10 Base-T, 100/1000 Base-TX, Token Ring (RJ45) TP-PMD, T568 A / B, BNC / COAX and USOC 8,6,4,2 cables. |
| Maximum Supported Cable Length | 2,000ft. / 610m |

Support:

Visit the Product Support section at www.addlogix.com if you have any trouble using these products.